PERIODICA MATHEMATICA HUNGARICA

Journal of the János Bolyai Mathematical Society

EDITOR-IN-CHIEF

P. ERDŐS

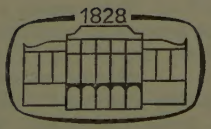
EDITOR

L. FEJES TÓTH

EDITORIAL BOARD

G. Alexits, M. Arató, Á. Császár, B. Gyires, A. Hajnal, M. Hosszú, L. Kalmár, L. Leindler, E. Makai, A. Moór, R. Péter, A. Prékopa, A. Rapcsák, L. Rédei, P. Rózsa, O. Steinfeld, J. Surányi, P. Szász, J. Szendrei, J. Szép, K. Szilárd, B. Szőkefalvi-Nagy, K. Tandori, P. Turán, I. Vincze

VOLUME 6



AKADÉMIAI KIADÓ, BUDAPEST

1975

PERIODICA MATHEMATICA HUNGARICA

VOLUME 6

CONTENTS

Appleson, R. R.—Lovász, L., A characterization of cancellable k-ary structures 17
Bauer, W., On pointwise nonparametric estimation of a density function 59
Bognár, J., Various norms on indefinite inner product spaces 309
Book reviews 201, 279
Borell, C., Convex set functions in d-space 111
Burkill, H.—Mirsky, L., Comments on Chebycheff's inequality 3
Chvátal, V., On a conjecture of Fejes Tóth 357
Cook, R. J., Chromatic number and girth 103
Crumeyrolle, A., Fibrations spinorielles et twisteurs généralisés 143
Csernyák, L., On the convergence of orthogonal series 267
Czerwik, S., On the global existence of solutions of a functional-differential equation 347
Deák, J., Notes on Dirichlet series with complex exponents II. The convexity of the domain of summability by typical means of integral order 281
Domiaty, R. Z., Eine elementare Charakterisierung von Homöomorphismen 353
Eckhoff, J.—Wegner, G., Über einen Satz von Kruskal 137
Erdős, P.—Reddy, A. R., A note on rational approximation 241
Fényes, T., Analytic operator transformations 49
Florian, A., Integrale auf konvexen Mosaiken 23
Florian, A., Reguläre hyperbolische Mosaike und Newtonsche Zahlen 97
Florian, A.—Florian, H., Reguläre hyperbolische Mosaike und Newtonsche Zahlen II 179
Florian, H.—Florian, A., Reguläre hyperbolische Mosaike und Newtonsche Zahlen II 179
Gergely, T.—Yezhow, I. I., Asymptotic behaviour of stochastic processes modelling an ordinary Poisson process 203
Hadidi, N., A queuing model with variable arrival rates 39
Härtig, K.—Surányi, J., Combinatorial and geometrical investigations in elementary number theory 235
Hegedűs, Cs. J., Laurent expansion of an inverse of a function matrix 75
Huq, S. A., A remark on a paper of F. A. Szász 173
Husain, T.—Khaleelulla, S. M., Order-quasiultrabarrelled vector lattices and spaces 363
Jenkins, T. L.—Leeuwen, L. C. A. van, Upper radicals and simple rings 69
Kaufman, R., Extremal sets of multiplicity 175
Khaleelulla, S. M.—Husain, T., Order-quasiultrabarrelled vector lattices and spaces 363
Krogstad, H. E., Comments on a paper of B. L. Gupta 273
Kubik, L., On a class of characteristic functions satisfying a differential equation 185
Leeuwen, L. C. A. van—Jenkins, T. L., Upper radicals and simple rings 69
Lesniak, L., Eccentric sequences in graphs 287
Lovász, L., Spectra of graphs with transitive groups 191
Lovász, L.—Appleson, R. R., A characterization of cancellable k-ary structures 17
Mirsky, L.—Burkill, H., Comments on Chebycheff's inequality 3
Palásti, I., The maximal number of quadrilaterals bounded by general straight lines in a plane 323

Plachky, D.—Steinebach, J., A theorem about probabilities of large deviations with an application to queuing theory 343
Reddy, A. R.—Erdős, P., A note on rational approximation 241
Research problems 109, 197, 277, 373
Schmidt, E. T., On finitely generated simple modular lattices 213
Schmidt, G. C., Extension theorems for linear lattices with positive algebraic basis 295
Shafaat, A., Remarks on special homomorphic relations 255
Soltész, P., On differential operators of infinite order 217
Steinebach, J.—Plachky, D., A theorem about probabilities of large deviations with an application to queuing theory 343
Strommer, J., Konstruktionen mit dem rechten und schiefen Zeichenwinkel in der absoluten Geometrie 87
Surányi, J.—Härtig, K., Combinatorial and geometrical investigations in elementary number theory 235
Szász, F.—Wiegandt, R., Correction to our paper „On hereditary radicals" 21
Tu, Nguyen van, On affine reducible tensorial connections 245
Wegner, G.—Eckhoff, J., Über einen Satz von Kruskal 137
Wessel, W., A first family of edge-critical wheels 229
Wiegandt, R.—Szász, F., Correction to our paper „On hereditary radicals" 21
Yezhow, I. I.—Gergely, T., Asymptotic behaviour of stochastic processes modelling an ordinary Poisson process 203